



FLORIDA KEYS

National Weather Service

Forecast Office

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WARMEST JUNE ON RECORD FOR KEY WEST AND MARATHON
2ND WARMEST MONTH OVERALL FOR MARATHON – SINCE 1982
13TH WARMEST MONTH RECORDED IN KEY WEST – SINCE 1872

AFTER THE 3RD WARMEST MAY IN 3 DECADES THROUGHOUT THE KEYS...JUNE 2010 FOLLOWED IN ITS FOOTSTEPS. LAST MONTH RANKED AS THE WARMEST JUNE ON RECORD IN KEY WEST...WITH RECORDS DATING BACK TO 1873...AND THE WARMEST JUNE FOR MARATHON IN ALMOST THREE DECADES. A MAJOR CONTRIBUTOR TO THAT TITLE FOR KEY WEST WAS RECORD WARM NIGHTTIME TEMPERATURES...13 OF THEM TO BE EXACT. OVER THE COURSE OF THE MONTH THERE WERE 15 WARM RECORDS SET OR TIED...2 OF THOSE WERE FOR RECORD HIGH MAXIMUM TEMPERATURES AND THE REMAINING 13 WERE FOR RECORD WARM MINIMUM TEMPERATURES.

RECORDS FOR THE MARATHON/DUCK KEY AREA ONLY GO BACK TO 1982...BUT JUNE 2010 WAS WARM ENOUGH TO SURPASS ALL 28 OF THE PREVIOUS JUNE AVERAGES. THE AVERAGE MONTHLY TEMPERATURE AT THE FLORIDA KEYS MARATHON AIRPORT FOR JUNE WAS 86.7 DEGREES FAHRENHEIT...A FULL 4 DEGREES ABOVE NORMAL. THIS ALSO RANKS JUNE AS THE 2ND WARMEST MONTH RECORDED FOR THE MARATHON AREA SINCE RECORDS BEGAN IN 1982. THE WARMEST MONTH ON RECORD IS STILL JULY 2009 WHEN THE AVERAGE TEMPERATURE WAS 87.6 DEGREES.

ENDING THE MONTH WITH AN AVERAGE TEMPERATURE OF 85.9 DEGREES AT THE KEY WEST INTERNATIONAL AIRPORT PLACES JUNE 2.5 DEGREES ABOVE NORMAL. NOT ONLY DID LAST MONTH END AS THE WARMEST JUNE ON RECORD...IT ALSO ENTERED THE RECORDS BOOK AS A FOUR-WAY TIE FOR THE 13TH WARMEST MONTH RECORDED IN KEY WEST. THIS IS OF SIGNIFICANCE SINCE RECORDS IN KEY WEST GO BACK TO JULY 1872. THE THREE PREVIOUS MONTHS TO AVERAGE 85.9 DEGREES WERE AUGUST 2005...JULY 1993...AND AUGUST 1878. AUGUST 2007 REMAINS THE WARMEST MONTH ON RECORD FOR KEY WEST...WHEN THE AVERAGE TEMPERATURE WAS 87.5 DEGREES.

THIS PAST MAY AND JUNE COUPLED TOGETHER TO MAKE THE HOTTEST MAY-JUNE PERIOD EVER RECORDED IN KEY WEST WITH AN AVERAGE TEMPERATURE OF 84.0 DEGREES. THE PREVIOUS RECORD HOLDER WAS 1967 WHEN THE AVERAGE WAS 83.5 DEGREES. LOOKING BACK AT THE FIRST HALF OF THE YEAR IT IS INTERESTING TO NOTE THAT KEY WEST WENT FROM EXPERIENCING THE COLDEST JANUARY-FEBRUARY-MARCH TO THE WARMEST LATE-SPRING/EARLY-SUMMER. APRIL FILLED THE GAP BETWEEN THESE TWO PERIODS AS A TRANSITION MONTH.

RAINFALL AT BOTH AIRPORTS WAS BELOW NORMAL FOR THE MONTH...EACH ENDING WITH LESS THAN HALF OF THE NORMAL JUNE AMOUNTS. KEY WEST RECEIVED 2.08 INCHES OF RAINFALL AND MARATHON 1.90 INCHES. THESE VALUES WERE 2.49 AND 3.30 INCHES BELOW NORMAL...RESPECTIVELY.

OF NOTABLE MENTION FROM THE RAINFALL TABLE BELOW...CUDJOE KEY AND KEY LARGO REPORTING SITES WERE BY-FAR THE LARGEST DROPS FROM 2009 JUNE RAINFALL TOTALS. JUNE 2010 HAD QUITE A BIT LESS VARIATION IN RAINFALL TOTALS COMPARED TO THE YEAR BEFORE...HOWEVER CUDJOE KEY WAS STILL ONE OF THE HIGHER AMOUNTS.

BELOW ARE PRELIMINARY RAINFALL TOTALS FOR JUNE ALONG THE KEYS ISLAND CHAIN...COMPARING 2010 TO 2009 AND THE DEPARTURES FROM NORMAL VALUES WHERE AVAILABLE.

JUNE 2010 RAINFALL TOTALS/DEPARTURE FROM NORMAL/2009 IN INCHES

Station – Station Type	2010	Dep. fm Normal	2009	Dep. fm 2009
Dry Tortugas National Park – <i>COOP</i>	1.58		3.88	-2.30
Key West WFO – <i>NWS</i>	1.73	-2.84	4.58	-2.85
Key West International Airport – <i>ASOS</i>	2.08	-2.49	2.10	-0.02
Big Coppitt Key – <i>CoCoRaHS</i>	1.77		4.49	-2.72
Cudjoe Key – <i>CoCoRaHS</i>	4.64		11.56	-6.92
Bahia Honda State Park – <i>COOP</i>	3.62		7.80	-4.18
Florida Keys Marathon Airport – <i>ASOS</i>	1.90	-2.73	4.66	-2.76
Curry Hammock State Park – <i>COOP</i>	3.09	-2.31	4.95	-1.86
Islamorada – <i>COOP</i>	1.55		6.64	-5. 90
John Pennekamp State Park – <i>COOP</i>	5.58		5.76	-0.18
Key Largo – <i>CoCoRaHS</i>	1.46		13.65	-12.19

NORMAL VALUES FOR KEY WEST LOCATIONS ARE THE AVERAGE OF 1979-2000 AT THE KEY WEST INTERNATIONAL AIRPORT...AND FOR THE MARATHON AREA THEY ARE THE AVERAGE SPANNING 1982-2004 AT DUCK KEY. RECORDS ARE NOT YET TRACKED AT THE MARATHON AIRPORT DUE TO THE SHORT PERIOD OF ASOS DATA.